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TI Polyphenylene polymers used as conductive material or display material -
are produced by chemical or electrochemical-oxidative polymerising of
specified fluorene derivs..

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CYC 1

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AB JP 03017120 A UPAB: 19930928

Polyphenylene (PPL) polymers contain repeat units of formula (I) and
have a wt. average mol.wt. of at least 3000, (where R1,R2 = H, 1-30C
alkyl, cycloalkyl gps.; n = an actual number of at least 1).

The PPL polymers are produced by chemical-oxidative-polymerising or
electrochemical-oxidative-polymerising fluorene derivs. of formula (II).

USE/ADVANTAGE - The PPL polymers are used as conductive material,
display material and mechanochemical material. The PPL polymers have
conductivity and moulding processability and are produced easily and
efficiently. The PPL polymers can have varied colours and conductivities
through doping.

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